

## Product datasheet for **MG207520**

### **Ppan (NM\_145610) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppan (NM_145610) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppan
Synonyms:	A230087P06Rik; SSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207520 representing NM\_145610  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGCAGTCCGGGCGGTCCCGACATCAGAAGCGCAATCGCGCCAGGCGCAGTCCGCAACCTCGAGT  
 CCTACGCTGCACAGCCGCACTCGTTCTGTTCACGCGAGGCCGAGCGGGTCGCAATGTCCGGCAGCTCAG  
 CCTGGATGTGCGGCGGGTCATGGAACCTCTCACCGCTACCCGCCTGCAGTTTCGAAAGAAGAACTCCCTG  
 AAGGACTGTGTGGCAGTGGCTGGCCCCCTGGGGTACACACTTCCTTATTTTGACAAAACAGATAACA  
 GTGTATACTTGAAGCTGATGCGGCTCCCAGGAGGCCCACTTTGACGTTCCAGATCAGCAAGTATACT  
 GATACGGGACGTGGTCTCTTCCCTGCGCCGACACCGGATGCACGAGCAGCAGTTTAAACCACCTCCCTC  
 CTGGTGTCAACAGCTTCGGCCCCAGGGCATGCACATCAAGCTCATGGCCACCATGTTCCAGAACCTGT  
 TCCCGTCCATCAACGTGCACACGGTGAACCTGAACACCATTAAAGCGCTGCCTCCTATTAACAACCC  
 TGACTCCCAAGAGCTGGACTTCCGACACTACAGCGTCAAAGTGGTCCCGTGGGTGCAAGCCGCGGCATG  
 AAGAAGCTCTTACAGGAGAAGTCCCTAACATGAGCCGACTGCAGGACATCAGTGAGCTGCTGGCCACGG  
 GTGTGGGGCTATCAGACAGTGGGTGGAGCCAGATGGAGAACACAAACACCACAGAAGTGGCCAGGCTGT  
 GGCCGGCCGTGGCAACATGCAGGCCAACAGAGCGCCGTCGACTTACTGAGATTGGGCCCGGATGACA  
 CTGCAGCTCATTAAAGATCCAGGAGGGCGTGGGAACGGCAATGTCTCTTCCACAGTTTTGTACACAAGA  
 CAGAGGAGGAGCTGCAGGCCATCCTGGCAGCAAGGAGGAGAAGTCCGGCTGAAGGCACAGCGTCAGAA  
 CCAACAGGCAGAGAACTGCAGCGCAAGCAGGAGCTGCGCAGGCCACAAGAAGAAGAGCCTGGCAGGC  
 ATAAGCGAGCCCGTGAAGGGCCGACGGTGACAGTGTGCTGAGGACCCAGGGGACCCGACAGAGGCAG  
 TGGGGCAGGTACGCTGAAGATGAAGAGGATGACGCTGAGTATTTCCCGCAGGCTGTGGGGGAGGAGCA  
 TGACGAAGACTTGTTCACACAGCGCCAAAGCGGAGACGGCAGGGGGGCCCTCTGGGCAAGAAGCAGCGA  
 GGAAGGAGCAGAGGCCTGGTAATAAAGCCGAGGTGAGGTGGCAACTGGCAGGCTCTGAAGCTACAAG  
 GTAGATCCAGAGAGGCAAGGCCAAGCCGAGACCCAGAGCCACACACCAGGACTCACGCCAGCATCAAG  
 GAGAAGAAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207520 representing NM\_145610  
 Red=Cloning site Green=Tags(s)

MGQSGRSRHQKRNRQAQLRNLESYAAQPHSFVTRGRAGRNVRQLSLDVRVMEPLTATRLQVRKKNSL  
 KDCVAVAGPLGVTHFLILTKTDNSVYLKLMRLPGGPTLTFQISKYTLIRDVVSSLRHRMHEQQFNHPPL  
 LVLNSFGPQGMHIKLMATMFQNLFPSINVHTVNLTIKRCLLINYNPDSQELDFRHYSVKVVVPGASRGM  
 KKLLQEKFPMNSRLQDISELLATGVGLSDSEVEPDGEHNTTELPAVAGRGNMQAQQSAVRLTEIGPRMT  
 LQLIKIQEGVGNVLFHSFVHKTEEELQAIIAAKEEKLRLKAQRQNNQAENLQRKQELREAHKKKSLAG  
 IKRARARADGSDAEDPGAPPEAVGAGQPEDEDDAEYFRQAVGEEPDEDLFPTAAKRRRQGGPLGKKQR  
 GKEQRPNGKGRGQGNWQALKLQGRSQRGKAKPRPRATHQDSRPASRRRN

**TRTRPLE** – GFP Tag – V

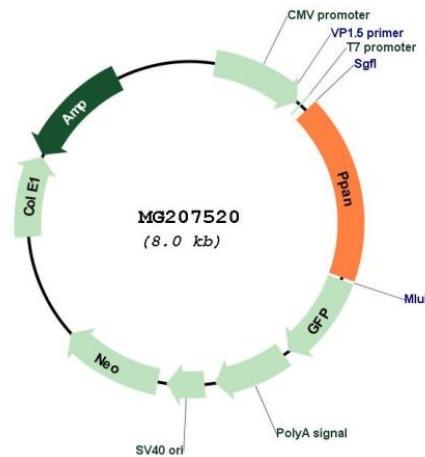
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_145610

ORF Size: 1410 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_145610.2](#), [NP\\_663585.2](#)

**RefSeq Size:** 1671 bp

**RefSeq ORF:** 1413 bp

**Locus ID:** 235036

**UniProt ID:** [Q91YU8](#)

**Cytogenetics:** 9 A3

**Gene Summary:** May have a role in cell growth.[UniProtKB/Swiss-Prot Function]